

Emergency Response Personnel Automated Accountability System

ABSTRACT

5 An emergency response personnel automated accountability system, also referred
to as a Firefighter Automated Accountability System (FAAS), is provided that supports
automatic tracking of and limited communications among first responders including fire,
police, emergency medical service, and safety personnel. The FAAS increases situational
awareness and safety of first responder personnel by automatically providing position
10 information as well as other sensor information. Components of the FAAS integrate
wireless mesh networks with positioning and communication systems to support real-
time tracking of and communications with emergency response personnel. The FAAS
incident awareness system provides position and time information via Global Positioning
System (GPS) and/or other positioning systems, and processed data from sensors to
15 provide enhanced communications, command and control capabilities to the first
responders and incident command at the incident scene.